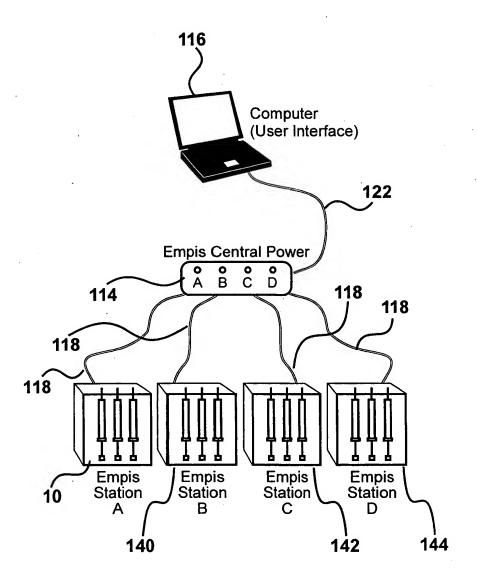


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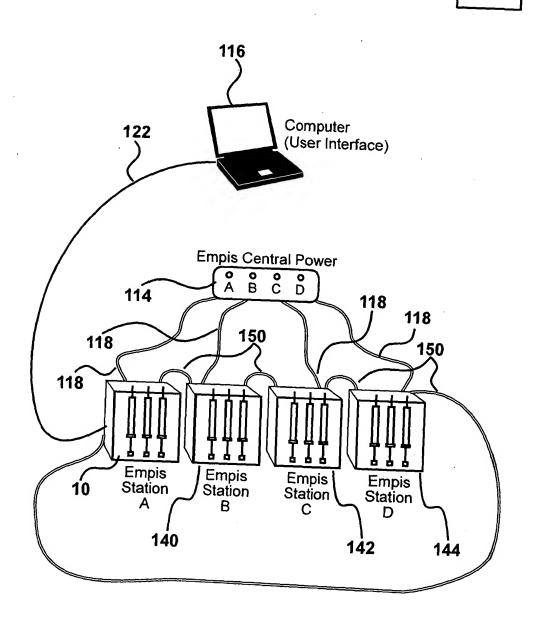
Fig.6





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Fig. 7



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Open to bag 1 (Saline) Open to SYR 2 Refill syringe 1. Simultaneously check catheter. Then, flush catheter with sterile saline Valve 1 Syringe 2 STOPPED STOPPED Open to bag 2 Open to bag 2 Valve 2 Pull until blood catheter line STOPPED appears in Syringe 3 Open to Valve 2 and 4 Open to Valve 2 and 4 Valve 3

Open to Catheter

Valve 4
Open to Catheter

FIRST PROCEDURE

Syringe 1

PULL

PUSH

SECOND PROCEDURE

PUSH	DITCIT						STOPPED	STOPPED		PUSH			PULL		
Open to valve 2	On the state of						Open to bag 1	Open to bag 1		Open to SYR 2		(saline)	Open to bag 1		Refill syringe
drug delivered)	STORTON SE	delivered	volume of drug	until total	above valve 4, or	2 reaches tee	PUSH until fluid	PULL		STOPPED			STOPPED	Refill syringe 2. I	Refill syringe 1. Simultaneously check catheter. Flush catheter with sterile saline
Open to bag 2	O to Long					1 and 3	Open to valve	Open to bag 2		Open to bag 2			Open to bag 2	Refill syringe 2. Inject syringe 2 and flush with saline.	check catheter. F
SIOPPED	CTODED						STOPPED	STOPPED		STOPPED	catheter line	appears in	Pull until blood	l flush with saline.	lush catheter with
Open to bag 3	0						Open to bag 3	Open to bag 3	2 and 4	Open to Valve		2 and 4	Open to Valve		sterile saline.
Open to Catheter	Cathatan						Open to Catheter	Open to Catheter		Open to Catheter			Open to Catheter		